Lynx™ Four Slot Dock

NOTE

Read this manual carefully before performing any type of connection from the terminal to a host PC using the Four Slot Dock.
The user is responsible for any damages caused by incorrect use of the equipment or by inobservance of the indication supplied in this manual.

The Four Slot Dock paired with a Lynx PDA builds a reading system for the collection, decoding and transmission of barcode data.
The Four Slot Dock can charge both the terminals and the spare batteries at the same time. The spare batteries (both standard capacity battery 94ACC0064 and high capacity battery 94ACC0065) can be charged by inserting them into the slots at the back of the cradle.
The Four Slot Dock comes in two different models, the Charger (94A150037) and the Ethernet (94A150054).

The Ethernet model also provides Ethernet connection for data transfer via local area networks.

Figure 1 –Four Slot Dock

Key:

A) Link LED for Ethernet Port 1,2,3,4*
B) Battery charger LED for Slot 1,2,3,4
C) Power supply connector
D) Ethernet Port 1 (with integrated Link and Speed LEDs)**
E) Ethernet Port 2 (with integrated Link and Speed LEDs)**
F) Power on LED

PDA INSERTION/ REMOVAL

For correct insertion into the cradle, insert the mobile computer from the top of the cradle and push it down.

To remove the mobile computer from the cradle, simply pull it upwards while holding the cradle firmly down.

Figure 2 - PDA Insertion

Power Supply

Each 4SD requires a power supply to be connected to mobile computers. We recommend the power supply already included in the box.

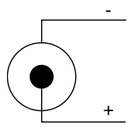


Figure 3 - Power Supply Polarity

LED INDICATORS

Power LED Status Indicator (F)

Color	Status
Green	Cradle powered

Battery Charging LED Status Indicators (B)

Color	Status
Off	Battery absent
Red	Battery charge in progress
Green	Charge completed
Red Blinking	Error

USING THE SPARE BATTERY CHARGER

Insert the battery, contacts side first, into the slot and press it until the battery latch is automatically closed; charging starts automatically.

Figure 4 - Spare Battery Insertion

To remove the battery, press the battery-release lever.

Figure 5 - Spare Battery Removal

ETHERNET CONNECTION*

The Ethernet cradle drivers are pre-installed on the Lynx and initiate automatically when the terminal is placed in a properly connected Four Slot Dock Ethernet.

When the PDA is inserted into the Four Slot Dock Ethernet, the connectivity icon on the taskbar indicates that the mobile computer is connected to a network.

NOTE

The maximum bandwidth capacity for each Mobile Computer is 12Mbps.

The yellow Link LED blinks to indicate activity, or stays lit to indicate that a link is established. When it is not lit it indicates that there is no link.

CAUTION

Connections should always be made with power OFF!

How to connect

Connect the Ethernet cradle (Ethernet port 1 - E) to an Ethernet hub or to a port on the host device. Connect the Ethernet cradle (power port - F) to the power supply.

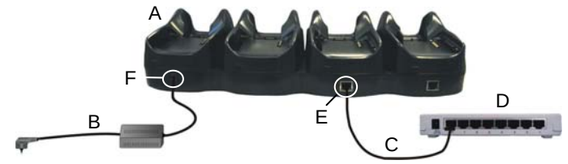


Figure 6 - Ethernet Connection

Key:

A) Ethernet 4 Slot Dock
B) Power supply without power cord, supplied with the 4SD and country specific power cord
C) UTP CAT 5E cable (recommended use)
D) Ethernet hub
E) Ethernet port 1
F) Power port

* Used in the Ethernet Four Slot Dock only
** Available in the Ethernet Four Slot Dock only

* Available in the Ethernet Four Slot Dock only

Daisychaining Ethernet Connection

To connect several cradles to an Ethernet network, the Ethernet cradles may be daisychained. It is recommended not to connect more than 4 cradles in order to maintain the optimal baud rate.

Connect the first Ethernet cradle to the Ethernet Switch. Connect the additional cradles as shown in Figure 7.

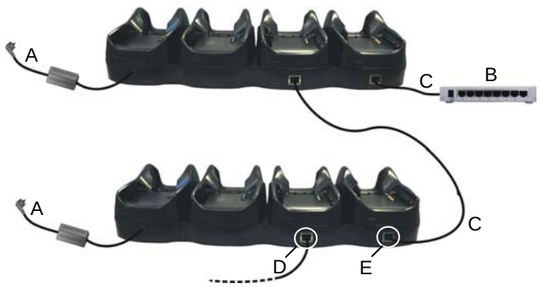


Figure 7 - Daisychaining Ethernet Connection

Key:

A) Power supply without power cord, supplied with the 4SD and country specific power cord
B) Ethernet hub
C) UTP CAT 5E cable (recommended use)
D) Ethernet Port 1
E) Ethernet Port 2

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

DOCK CONTACTS CLEANING PROCEDURE

All exterior metal contacts/connectors exposed to spills, dirt or debris accumulation require periodic cleaning to ensure best performance during charging and data transmission.

Use a soft, lint-free dry cloth or lens tissue to clean the product (contacts and plastics). An antistatic cloth is preferable but you can also use a cotton cloth. Avoid wool, synthetic cloths or other materials that can cause electrostatic discharges.

If the contacts are very dirty, clean them with a soft cloth moistened with a diluted non-aggressive cleaning solution or a diluted isopropyl alcohol solution (20% maximum). A cotton swab may be used only on hard-to-reach contacts.

Clean the contacts when you see traces of dirt or when you experience solid connection issues between the terminal and its dock (device not charging or intermittent communications). It is however suggested to clean the contacts every 6 months (more often if the environment is dusty).

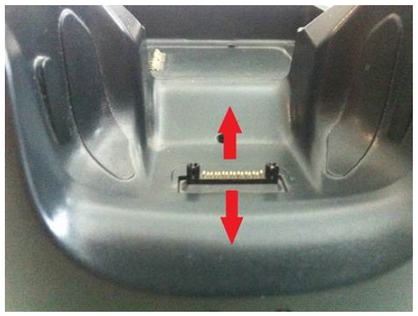
If the plastic areas are very dirty use only a cloth dampened with water.

CAUTION

Do not use abrasive or aggressive cleaning agents or abrasive pads to clean electric contacts, scan windows or plastics.

Cleaning the Dock Contacts

1. Remove the power cable before cleaning the contacts.
2. Use a soft dry cloth as suggested above. If the product is very dirty, moisten the cloth in a non-aggressive cleaning solution or diluted isopropyl alcohol solution (20% maximum).
3. Gently rub the cloth back and forth ONLY along the contacts, following the directions indicated by the red arrows. Use care not to leave any cloth residue.



4. Use a dry cloth to remove any dirt near the contacts area and to clean the plastic parts. If the plastic parts of the equipment are very dirty, slightly dampen the cloth with only water.
5. Repeat steps 2, 3 and 4 using a clean dry cloth.
6. Allow the cleaning solution to fully evaporate before powering up the product.

Cleaning the Dock Auxiliary Battery Contacts

1. Remove the power cable and the Ethernet module before cleaning the contacts.
2. Use a soft dry cloth as suggested above. If the product is very dirty, moisten the cloth in a non-aggressive cleaning solution or diluted isopropyl alcohol solution (20% maximum).
3. Gently rub the cloth back and forth ONLY along the contacts, following the directions indicated by the red arrows. Use care not to leave any cloth residue.

4. Use a dry cloth to remove any dirt near the contacts area and to clean the plastic parts. If the plastic parts of the equipment are very dirty, slightly dampen the cloth with only water.
5. Repeat steps 2, 3 and 4 using a clean dry cloth.
6. Allow the cleaning solution to fully evaporate before powering up the product.

TECHNICAL FEATURES

Electrical Features	
Power supply *	12 VDC ± 5% @ 5A
Consumption	Max 5 A
Spare slot charge time	
Std Battery	2h 30
High Cap Battery	4h
Communication Features	
Interface	Ethernet **
Baud Rate	10/100BASE-T
Physical Features	
Dimensions	445 x 135 x 102 mm 17.5 x 5,3 x 4 in
Weight (without connection cables)	1250 g / 44.1 oz
Indicators	Green power-on LED Bicolored battery charge status LED
Environmental Features	
Working temperature***	0° to +50°C / +32° to +122°F ***
Storage temperature	-20° to +70°C / -4° to +158°F
Humidity	95% without condensation
Electrostatic discharge EN 61000-4-2	4 KV contact / 8 KV air

* Use only DL approved power adapters.
** Available in the Ethernet Four Slot Dock only
*** When inserted in the spare slot, batteries must be charged at a temperature ranging from 0° to 44 °C.
Never charge the main device or spare batteries in a closed space where excessive heat can build up.

FCC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
Modifications or changes to this equipment without the expressed written approval of Datalogic could void the authority to use the equipment.
This device complies with PART 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference which may cause undesired operation.

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